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369

S/058/61/000/010/035/100
AC01/A101

24.7900

AUTHORS: Kopvillem, U.Kh., Mineyeva, R.M., Morozova, I.D.

TITLE: On the theory of the width of the paramagnetic resonance line in corundum with admixture of chromium

PERIODICAL: Referativnyy zhurnal. Fizika, no. 10, 1961, 159, abstract 10V327 (V sb. "Paramagnitn. rezonans", Kazan', Kazansk. un-t, 1960, 92-94)

TEXT: The authors derived a formula for calculating the width of electronic paramagnetic resonance line in magnetic-diluted crystals, due to the presence of dislocations and inner stresses. It is assumed that the spin Hamiltonian of paramagnetic ions contains two parts: the main part is the same for all ions and it determines the spectrum of electronic paramagnetic resonance; the second part characterizes the straggling of constants of the spin Hamiltonian due to straggling of symmetry axes of the crystalline field and it determines the observed width of electronic paramagnetic resonance line. Particular calculations are performed for Cr ions in the lattice of corundum. A comparison of the calculated and experimental data shows that the strong anisotropy of the line width in dependence on direction of the statical magnetic field is explained by

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On the theory of the width ...

S/058/61/000/010/035/100
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the contribution from the straggling of symmetry axes of the crystalline field.
Contributions to the line width due to interaction of Cr ions between themselves
and with Al nuclei are also calculated.

U. Kopvillem

[Abstracter's note: Complete translation]

Card 2/2

MOROZOVA, I.D.

Method of molecular orbits and spin density in paramagnetic
resonance. Usp.khim. 31 no.10:1231-1256 0 '62. (MIRA 15:11)

1. Institut organicheskoy khimii AN SSSR, Kazan'.
(Molecular orbitals) (Paramagnetic resonance and relaxation)

MOROZOVA, I.D.; DYATKINA, M.Ye.

Spin density distribution in some metal ketyls.
Dokl. AN SSSR 146 no.4:830-832 0 '62. (MIRA 15:11)

1. Institut organicheskoy khimii AN SSSR, g. Kazan',
Predstavleno akademikom B.A. Arbuzovym.
(Ketyls—Spectra) (Molecular orbitals)

MOROZOVA, I.D.

Molecular orbital method and the spin density in paramagnetic resonance. *Analele chimie* 18 no.3:3-32 J1-S '63.

MOROZOVA, L.D.; DYATKINA, M.Ye.

Spin density distribution in aromatic metal ketals. Dokl. AN SSSR
150 no.2:337-339 My '63. (MIRA 16:5)

1. Institut organicheskoy khimii AN SSSR v.g. Kazani i Institut
obshchey i neorganicheskoy khimii im. N.S.Kurnakova AN SSSR.
Predstavleno akademikom B.A.Arbuzovym.
(Organometallic compounds) (Molecular orbitals)

MOROZOVA, I.D.; DYATKINA, M.Ye.

Spin density distribution in metal ketyls containing methyl groups.
Dokl. AN SSSR 154 no. 3:687-689 Ja '64. MIRA 17:5

1. Institut organicheskoy khimii AN SSSR, Kazan', i Institut
obshchey i neorganicheskoy khimii im. N.S.Kurnakova AN SSSR.
Predstavleno akademikom B.A.Arbusovym.

[Programs in linear algebra grammy po linein' i algebre
Moskva, 1964. 62 p. (Akademiya Nauk SSSR. Vychislitel'naya
tsentr. Standartnye i tipovye programnyye dlya mašin "Elektronika"
no.7)

MOROZOVA, I.D.; DYATKINA, M.Ye.

Negative spin density in methyl ketals. Zhur. strukt. khim. 6 no.2:
278-282 Mr-Apr '65. (MIRA 18:7)

1. Institut organicheskoy khimii AN SSSR, Kazan' i Institut obshchey
i neorganicheskoy khimii imeni Kurnakova AN SSSR.

SOV/137-58-9-20302

Translation from: Referativnyy zhurnal: Metallurgiya, 1958, Nr 9, p. 312 (USSR)

AUTHORS. Nomokonova, N.A. Morozova, I.F.

TITLE Spectroscopic Methods for the Determination of Niobium, Tantalum, Zirconium, Titanium, Beryllium, and Indium (Spektral'nyye metody opredeleniya niobiya, tantala, tsirkoniya, titana, berilliya i indiya)

PERIODICAL Tr. Vses. Magadarsk. n-ta in-ta--I M-va tsvetn. metallurgii SSSR, 1957, division 4, Nr 19, pp 14-20

ABSTRACT Quantitative spectroscopic methods for the determination of In, Be, and Ti were developed, and the methods for the determination of Nb, Ta, and Zr in ores and the products of their processing were modified. The determinations were carried out according to the method of three standard specimens. Ores with a known content of components were used as standard specimens. Curves were plotted with $\Delta S = \log_{10} C$ coordinates. For the determination of Nb, Ta, Ti, and Zr the test sample was mixed with carbon powder (1:1) and introduced into a carbon electrode (E) with a pointed portion 2.6 mm in diameter and 12 mm long, the crater being 1.3 mm in diameter and 5 mm

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Spectroscopic Methods for the Determination (cont.)

deep. The exposure time was 2-3 min with 15 sec of preliminary sparking with a 9.5-amp current. Mo served as the internal standard. The determination of Be and In was carried out by the introduction of 100-200 mg of specimen mixed with the internal standard on paper strips between horizontal carbon E's. The E's were ground into the shape of a cone with a stage area of 3 mm. Cr serves as the internal standard in the determination of Be; for the determination of In, depending on the contents of Sn in the specimen, Cd or Bi are used. The ranges of the determinations are (in %) In and Be 0.001 - 1, Ta and Ti 0.05 - 2, Nb 0.03 - 1, Zr 0.12 - 2. The error of the method is (in %): for Nb, In, Ta ± 8 , Zr ± 4 to 8, for Be ± 5 , and for Ti ± 10 .

B M.

1. Metals---Determination 2. Spectroscopy

Card 2/2

1-22484-65 EWT(1)/EPF(c)/EPA(w)-2/EEC(t)/T/EWA(m)-2 Pub-10-Pr-4 SSD(a)/
SSD(c)/AEDC(a)/AEDC(b)/SSD/AFWL/AS(mp)-2/ESD(gs)/ESD(t)/IJP(c) WW

ACCESSION NR: AT5001497

8/2759/64/COO/006/0105/0111

AUTHOR: Mokozova, I. G.

TITLE: Characteristics of ion source with electrons oscillating in a magnetic field .

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli, no. 6, 1964, 105-111

TOPIC TAGS: ion source, ion current, ionization, pressure dependence, voltage dependence

ABSTRACT: The ion source was described by the author earlier (Collection "Uskoriteli" [Accelerators], no. IV, M., Gosatomizdat, 1962). To ascertain the possibility of obtaining maximum ion current, the author plotted the beam ion current against the discharge current, the working-gas pressure, the magnetic induction in the ionization chamber, and against the extraction voltage. The results show that the ion current is very sensitive to the discharge current, and it is desirable to operate at larger discharge currents (about 40 mA) in the ionization chamber. An increase in the magnetic field does not influence the rate

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ACCESSION NR: AT5001497

of increase of the beam current, but exerts a noticeable influence on its magnitude. Maximum ion current is obtained at small values of magnetic induction, and with increasing magnetic induction the beam current decreases in spite of an increase in the discharge current. In the case of large magnetic fields (0.104--0.155 Tesla), the ion current rises and goes through a maximum with increasing discharge voltage. For small magnetic fields (0.02 Tesla) the ion current of the beam increases with increasing discharge current. The pressure dependence of the ion current depends on the magnetic field, and with decreasing magnetic field the maximum on each ion current vs. pressure curve it shifts towards higher pressures with decreasing magnetic field. A monotonic increase of the ion current with increasing extracting voltage was observed. The results have shown that the ion current exhibits a complicated dependence on the discharge conditions in the ionization chamber. The author reports that an economic mode with continuous beam current exceeding 100 mA could be obtained, with a maximum proton energy of 10 keV. It can be increased by increasing the voltage between the housing of the source and the collector. The best operating conditions from the point of view of obtaining maximum beam currents are at pressures on the order of 10^{-2} mm Hg, at a gas flow 10--15 cm³-norm/hr. To obtain large ion currents it is apparently

Card 2/3

L 22484-65

ACCESSION NR: T5001497

advantageous to operate at low magnetic inductions at appreciable voltages and pressures in the ionization chamber, and also at large values of the ion-extraction voltage. Orig. art. has: 6 figures.

ASSOCIATION: Inzhenerno-fizicheskiy institut, Moscow (Engineering-Physics Institute)

SUBMITTED: 00

ENCL: 00

SUB CODE: NP

NR REF SOV: 002

OTHER: 000

Card 3/3

MOROZOVA, I.G.

Pulse emission of oxide-coated cathodes. Sbor.nauch.rab.MIFI no.9:44-
48 '55. (MIRA 10:1)

(Pulse techniques (Electronics))

SAMSONOV, G.V.; DMITRENKO, L.V.; SIROTA, A.G.; GORYUNKOVA, A.D.; MOROZOVA, I.G.;
XLIKH, S.P.; SHESTERIKOVA, M.P.

Purification of albomycin by using chromatographic method on sulfo-
cationites. Antibiotiki 3 no.2:90-94 Mr-Apr '58. (MIRA 12:11)

1. Leningradskiy khimiko-farmatsevticheskiy institut, i Institut
vysokomolekulyarnykh soyedineniy AN SSSR.

(ANTIBIOTICS,

albomycin, chromatographic purification with sulfo-
cation exchange resistance (Ems))

(ION EXCHANGE RESINS,

sulfo-cation exchange resin SDV-3, chromatographic
purification of albomycin (Rms))

MOROZOVA, I.G.; TYAGUNOV, G.A., prof., red.; POPOVA, S.M., tekhn.red.

[Laboratory for the study of vacuum tubes and transistor devices]
Uchebnaia laboratoria elektrovakuumnykh i poluprovodnikovyykh
priborov; opisaniia rabot. Pod red. G.A.Tiagunova. Moskva, Izd-vo
glav.upr.po ispol'zovaniu atomnoi energii pri Sovete Ministrov
SSSR, 1960. 58 p. (MIRA 13:8)

1. Rukovoditel' laboratorii elektrovakuumnykh i poluprovodnikovyykh
priborov Moskovskogo inzhenerno-fizicheskogo instituta (for Moro-
sova).

(Electron tubes)

(Transistors)

S/759/62/000/004/012/016
D207/D308

AUTHOR: Morozova, I. G.

TITLE: Ion source with electrons oscillating in a magnetic field

SOURCE: Moscow. Inzhenerno-fizicheskiy institut. Uskoriteli,
no. 4, 1962, 101-102

TEXT: An ion source is described consisting of an ionization chamber with two parallel cold cathodes and an anode placed symmetrically between them. The chamber is located between the poles of an electromagnet; the cathodes serve as the polepieces. Hydrogen from an electrolyzer passes through a purifying stage and enters the ionization chamber through a small aperture. The whole ion source is easily removable. Stable and economic working conditions are obtained with a 40 mA discharge current under a voltage of 200 V in a magnetic field of 200 oe. The pressure in the chamber is 0.01 mm Hg. With a 10 kV accelerating voltage applied outside the ionization chamber, the source produces an ion beam of 1.25 mA. When hydrogen supply is stopped a glow discharge continues in the chamber

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Ion source with ...

S/759/62/000/004/012/016
D207/D308

down to 10^{-4} mm Hg, provided the magnetic field is still applied.
There is 1 figure.

Card 2/2

MORCZOVA, I.G.

Stand for testing ion injectors. Uskritell no. 101-102-103.

Characteristics of an ion source with electrons oscillating in a magnetic field. Ibid.: 105-111

(MFA 1947)

NEVOLIN, Fedor Vasil'yevich; TYUTYUNNIKOV, B.N., doktor tekhn. nauk, prof., retsenzent; BASHKIROV, A.N., spets. red.; MOROZOVA, I.I., red.

[Chemistry and technology of synthetic detergents] Khimiia i tekhnologiia sinteticheskikh moiushchikh sredstv. Moskva, Izd-vo "Pishchevaia promyshlennost'," 1964. 362 p.

(MIRA 17:7)

1. Chlen-korrespondent AN SSSR (for Bashkirov).

24(0): 5(4); 6(2) PHASE I BOOK EXPLORATION SOV/2215
 Vsesoyuzny nauchno-issledovatel'skiy institut metrologii imeni
 D.I. Mendeleeva
 Referaty nauchno-issledovatel'skikh rabot: sbornik No. 2 (Scientific
 Research Abstracts: Collection of Articles, No. 2) Moscow,
 Standartgiz, 1958. 139 p. 1,000 copies printed.
 Additional Sponsoring Agency: USSR, Komitet standartov, mer i
 izmeritel'nykh priborov.
 Ed.: S. V. Reshetina; Tech. Ed.: N. A. Konrat'yeva.
 PURPOSE: These reports are intended for scientists, researchers,
 and engineers engaged in developing standards, measures, and
 gauges for the various industries.

COVERAGE: The volume contains 128 reports on standards of measure-
 ment and control. The reports were prepared by scientists of
 institutes of the Komitet standartov, mer i izmeritel'nykh
 priborov pri Sovetskom Ministre SSSR (Commission on Standards,
 Measures, and Measuring Instruments under the USSR Council of
 Ministers). The participating institutes are: VNIIM -
 Vsesoyuzny nauchno-issledovatel'skiy metrologicheskii D.I.
 Mendeleeva (All-Union Scientific Research Institute of Met-
 rology imeni D.I. Mendeleeva) in Leningrad; Sverdlovskaya
 of this institute; VNIKh - Vsesoyuzny nauchno-issledovatel'skiy
 institut khimicheskikh izmereniy (All-Union Scientific Research
 Institute of Chemical Measurements) in Moscow; VNIIP - Vsesoyuzny
 nauchno-issledovatel'skiy institut priborov (All-Union Scientific
 Research Institute of Measuring Instruments) in Moscow; VNIIP
 and Measuring Instruments (Moscow State Institute of Standards
 and Measuring Instruments, October 1, 1958). VNIIP also
 Vsesoyuzny nauchno-issledovatel'skiy institut fiziko-tekhnicheskikh
 izmereniy (All-Union Scientific Research Institute of Physico-technical
 Measurements) in Moscow; KhIMIP - Kharkovskiy gosudarstvennyy
 institut mer i izmereniy (Kharkov State Institute of Measures
 and Measuring Instruments) in Kharkov; Kuzbassskiy gosudarstvennyy
 institut mer i izmereniy (Kuzbass State Institute of Measures
 and Measuring Instruments) in Novosibirsk; and KGBMP - Novosibirskiy
 gosudarstvennyy institut mer i izmereniy (Novosibirsk State Institute
 of Measures and Measuring Instruments) in Novosibirsk. No personalities
 are mentioned. There are no references.

Aleksandrov, V.A., L.L. Morozova, L.A. Orlova, and Ye. V. Shestak.
 Izvestiya Sverdlovskogo gosudarstvennogo universiteta. Seriya
 fiziko-matematicheskie nauki. 1958. No. 1. 116 p. 1,000 copies
 printed. The determination of Manganese and Chromium by Potentiometric Method
 in the Determination of Sulfur in Standard Chemical Compounds
 and in Cast Iron and Steel
 Aleksandrov, V.A., L.L. Morozova, and L.D. Plotnikovskaya. Sverdlovskaya
 gosudarstvennaya nauchno-issledovatel'skaya laboratoriya. Seriya
 fiziko-matematicheskie nauki. 1958. No. 1. 116 p. 1,000 copies
 printed. The determination of Manganese and Chromium by Potentiometric Method
 in the Determination of Sulfur in Standard Chemical Compounds
 and in Cast Iron and Steel
 Morozova, L.L., and L.D. Plotnikovskaya. Sverdlovskaya gosudarstvennaya
 nauchno-issledovatel'skaya laboratoriya. Seriya fiziko-matematicheskie
 nauki. 1958. No. 1. 116 p. 1,000 copies printed. The determination of
 Manganese and Chromium by Potentiometric Method in the Determination
 of Sulfur in Standard Chemical Compounds and in Cast Iron and Steel
 Plotnikovskaya, L.D., L.L. Morozova, L.A. Orlova, and Ye. V. Shestak.
 Sverdlovskaya gosudarstvennaya nauchno-issledovatel'skaya laboratoriya.
 Seriya fiziko-matematicheskie nauki. 1958. No. 1. 116 p. 1,000
 copies printed. The determination of Manganese and Chromium by Potentiometric
 Method in the Determination of Sulfur in Standard Chemical Compounds
 and in Cast Iron and Steel
 Morozova, L.L., and L.D. Plotnikovskaya. Sverdlovskaya gosudarstvennaya
 nauchno-issledovatel'skaya laboratoriya. Seriya fiziko-matematicheskie
 nauki. 1958. No. 1. 116 p. 1,000 copies printed. The determination of
 Manganese and Chromium by Potentiometric Method in the Determination
 of Sulfur in Standard Chemical Compounds and in Cast Iron and Steel

SHCHERBAKOV, Vladimir Grigor'yevich; KUZ'MINA, N.P., doktor biol.
nauk, prof., retsenzent; ABDURAKHIMOV, A.A., kand. tekhn.
nauk, retsenzent; AVRAMENKO, I.Ya., inzh.-tekhnolog,
retsenzent; MOROZOVA, I.I., red.; KISINA, Ye.I., tekhn.
red.

[Biochemistry and the commercial study of oil raw materials]
Biokhimiia i tovarovedenie maslichnogo syr'ia. Moskva, Pi-
shchepromizdat, 1963. 351 p. (MIRA 16:11)

1. Kafedra tekhnologii zhиров Tashkentskogo politekhnicheskogo instituta (for Abdurakhimov).
(Oilseed plants--Analysis and chemistry)

TKACHEV, Nikolay Ivanovich; GUL', V.Ye., doktor khim. nauk, prof.,
retsenzent; ROMANOV, A.N., kand. tekhn.nauk, retsenzent;
KUZ'MINSKIY, R.V., inzh., retsenzent; D'YAKONOVA, V.P.,
inzh.-khim., spets.red.; MOROZOVA, I.I., red.; KISINA,
Ye.I., tekhn. red.

[Plastics and their use in the bakery and yeast industry]
Plasticheskie massy i ikh primeneniye v khlebopekarnoi i
drozhzhevoi promyshlennosti. Moskva, Pishchepromizdat,
1963. 222 p. (MIRA 17:1)

PETROV, Konstantin Petrovich; ARKHIPOVICH, N.A., kand. tekhn.
nauk, spets. red.; MOROZOVA, I.I., red.

[Practical laboratory work on the biochemistry of
vegetable raw materials] Praktikum po biokhimii pi-
shchevogo rastitel'nogo syr'ia. Moskva, Pishchevaia
promyshlennost', 1965. 329 p. (MIRA 18:7)

CHEMODANOV, A.N.; MOROZOVA, I.K.; GERODETSKIY, V.V.; LEMBEKOV, V.A.;
LOSEV, V.V.; KOSTYRIN, Ya.M.

Effect of potential on the rate of platinum dissolution in sulfuric
chloric solutions. Zashch.met. 1 no.4:433-435 51-Ag '65. (M. A. 18)

1. Nauchno-issledovatel'skiy fiziko-khimicheskiy institut imeni
L.Ya.Karpova, Moskva.

GROMOVA, A.I.; MOROZOVA, L.S.; ...

Effect of the radiation of gamma-rays on the
of mercury oxide electrode. ...
... 19...

GERLING, E.K.; MOROZOVA, I.M.

Determining the activation energy of the isolation of argon from micas.
Geokhimiia no.4:304-311 '57. (MIRA 12:3)

1. Laboratory of Precambrian Geology, Academy of Sciences, U.S.S.R.,
Leningrad.

(Argon--Isotopes) (Mica)

3(8)

AUTHORS:

Gerling, E. K., Morozov, I. M.

SDV/7-58-7-1/13

TITLE:

Investigation of the Kinetics of Argon Separation From Microcline-Perthite (Izucheniye kinetiki vydeleniya argona iz mikroklina-perthita)

PERIODICAL:

Geokhimiya, 1958, Nr 7, pp 615 - 620 (USSR)

ABSTRACT:

Microcline-perthite Panfilova Varaka was examined between 500 and 1000°. The argon content was determined according to 2 different methods: 1) Measurement by manometer following the method of Mak-Leod (McLeod) after the usual purification, and 2) Mass spectrometric determination. The mass spectrometric method turned out to be more advantageous. The curves of separation (Figs 1 and 2) were used to determine the energy of activation (Fig 3). The following values were obtained for the heat of diffusion: 15 000, 26 000, 42 000, 59 000, and 130 000 cal/g-atom. The first 3 of these values correspond to the diffusion of argon from the crystal lattice,

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Investigation of the Kinetics of Ar on Se aration From SOV/7-98-7-1/13
Microcline-Perthite

which has been destroyed by the perthite treatment;
the latter 2 values correspond to the diffusion from the
undisturbed microcline lattice. The share of argon
rather ready to be separated amounts to more than
20% (Table); this part is apt to be lost also in
nature. This fact makes evident that microcline is no
particularly appropriate means for determination of age.
There are 3 figures, 1 table, and 12 references, 5
of which are Soviet.

ASSOCIATION: Laboratoriya Geologii Moksambriya AN SSSR, Leningrad
(Laboratory for the Geology of Pre-Cambrian Times
AS USSR, Leningr ')

SUBMITTED: June 29, 1958

Card 2/2

GERLING, E.K.; MOROZOVA, I.M.; KURBATOV, V.V.

Retention of radiogenic argon in powdered potassium minerals.
Geokhimiia no.1:39-48 '61. (MIRA 14:3)

1. Laboratoriya geologii dokembriya i Radiyevyy institut im.
V. G. Khlopa AN SSSR, Leningrad.
(Argon)
(Microcline)
(Mica)

PAP, A.M.; GERLING, E.K.; MOROZOVA, I.M.; OVCHINNIKOVA, G.V.

First data on absolute geochronology of the crystalline basement
of White Russia. Dokl. AN BSSR / no.3:177-180 Mr '62.

(MIRA 15:3)

1. Institut geologicheskikh nauk AN BSSR, g. Minsk i Laboratoriya
geologii dokembriya AN SSSR, Leningrad.

(White Russia--Geology, Stratigraphic)

GERLING, E.K.; PAP, A.M.; MOROZOVA, I.M.; AFANASYEVA, L.I.; LON'KO, V.F.

Stratigraphy of the Pre-Cambrian of White Russia and adjacent
areas according to data of the absolute age. Sov. geol. 7
no.3:120-126 Mr '64. (MIRA 17:10)

1. Laboratoriya geologii dokembriya AN SSSR i Institut
geologicheskikh nauk AN BSSR.

MURIN, A.N.; BANASEVICH, S.N.[deceased]; MOROZOVA, I.M.

Diffusion of radiogenic gases from minerals. Geokhimiia
no.10:874-879 '62. (MIRA 16:4)

1. State University, Leningrad Laboratory of Precambrian
Geology, Academy of Sciences, U.S.S.R.
(Gases—Diffusion)

KOKOSH, G.D.; KOROZOVA, I.N.

Weights made of quartz. Trudy VNIIM no.19:7-12 '52. (MIRA 11:6)
(Weights and measures) (Quartz)

- 24(0); 5(4); 6(2) PHASE I BOOK EXPLOITATION SOV/2215
Vsesoyuzny nauchno-issledovatel'skiy institut metrologii imeni D.I. Mendeleeva
Referaty nauchno-issledovatel'skikh rabot; sbornik No. 2 (Scientific Research Abstracts: Collection of Articles, No. 2) Moscow, Standartgiz, 1958. 139 p. 1,000 copies printed.
Additional Sponsoring Agency: USSR, Komitet standartov, mer i izmeritel'nykh priborov.
Ed.: S. V. Reshetina; Tech. Ed.: M. A. Kondrat'yeva.
FURTHER: These reports are intended for scientists, researchers, and engineers engaged in developing standards, measures, and gauges for the various industries.
COVERAGE: The volume contains 128 reports on standards of measurement and control. The reports were prepared by scientists of institutes of the Komitet standartov, mer i izmeritel'nykh priborov pri Sovete Ministrov SSSR (Commission on Standards, Measures, and Measuring Instruments under the USSR Council of Ministers). The participating institutes are: VNIIM - Vsesoyuzny nauchno-issledovatel'skiy metrologicheskii D.I. Mendeleevskiy (All-Union Scientific Research Institute of Metrology named after D.I. Mendeleev) in Leningrad; Sverdlovsk branch of this institute; VNIIM - Vsesoyuzny nauchno-issledovatel'skiy institut komitet standartov, mer i izmeritel'nykh priborov (All-Union Scientific Research Institute of Standards, Measures, and Measuring Instruments) created from NGIMIP - Moskovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Moscow State Institute of Measures and Measuring Instruments) October 1, 1959; VNIIM - Vsesoyuzny nauchno-issledovatel'skiy institut fiziko-tekhnicheskikh i radiotekhnicheskikh izmereniy (All-Union Scientific Research Institute of Physico-technical and Radio-engineering Measurements) in Moscow; NGIMIP - Kharkovskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Kharkov State Institute of Measures and Measuring Instruments); and NGIMIP - Novosibirskiy gosudarstvennyy institut mer i izmeritel'nykh priborov (Novosibirsk State Institute of Measures and Measuring Instruments). No personalities are mentioned. There are no references.
Checking Optical Dividing Heads 19
Mass and Density Measurements (Rudo, M.M., Editor, Candidate of Technical Sciences)
Salmova, M.A. (VNIIM). Studying Conditions for Securing Maximum Sensitiveness of Equal-arm Pirametric Balances 21
Rozynina, I.N. (VNIIM). Experimental Study of Reasons for Variations in the Readings of Analytical Balances 22
Kokosh, O.D. (VNIIM). Designing Model Balances of the First Class With a Range of 2g and Value of Decisions of 0.002 mg 23
Rudo, M.M. (VNIIM). New VNIIM Balance for Checking Standards of Weight 23
Dutikova, M.I. (VNIIM). Developing Methods and Means of Checking Balances with a Load Range of 2 mg or Less 25
Chinuray, A.I., and O.A. Gol'dsteyn (NGIMIP); G.A. Cherkasov, V.V. Card 6/27

GOLOMB, L.M. [Holomb, L.M.]; MOROZOVA, I.O.

Determining the dispersion characteristics of dispersed dyes
for rayon and synthetic fibers. Leh. prom. no.2:81-83 Ap-Je '63.
(MIRA 16:7)

1. Rubezhanskiy filial Nauchno-issledovatel'skogo instituta
organicheskikh poluproduktov i krasiteley.

(Dyes and dyeing---Textile fibers, Synthetic)

MOROZOVA, I. I.

MOROZOVA, I. I. - "Carboniferous Pearlweed of the Central Don." Sub
12 Jun 52, Paleontological Inst, Acad Sci USSR. (Dissertation
for the Degree of Candidate in Biological Sciences).

SG: Vechernaya Moskva January-December 1952

1. MOROZOVA, I.P.
2. USSR (600)
4. Hexagenellidae
7. Family Hexagenellidae, its place in classification and phylogenetic ties, 1951. AN SSSR 90 no. 2, 1952.

The author relates the recently established subfamily of Hexagenellidae to the order of Cyclostomata and to the family of Fistuliporidae. In the latter he also includes the subfamily of Fistuliporinae Waagen and Wentzel and the subfamily of Coniocladiinae Waagen and Pichl, which were considered by A. I. Nikiforov as an independent family of Coniocladiidae order of Cryptostomata. Presented by Acad V.A. Obruchev 23 Feb 53.

260T45

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, 1953.

MOROZOVA, I.P.; SARYCHEVA, T.G., redaktor; SHEVCHENKO, G.N., tekhnicheskii redaktor

[Carboniferous bryozoa of the middle Don Valley] Kamennougol'nye mshanki Srednego Dona. Moskva, Izd-vo Akademii nauk SSSR, 1955. 90 p. (Akademiia nauk SSSR. Paleontologicheskii institut. Trudy, vol.58)

(Don Valley--Polyzoa, Fossil)

(MIRA 8:9)

MOROZOVA, I. P.

USSR/ Geology - Paleontology

Card 1/1 Pub. 22 - 44/54

Authors : Morozova, I. P.

Title : ~~Discovery of new bryozoya in the upper carbon layer of the Don River bend~~

Periodical : Dok. AN SSSR 100/3, 567-569, Jan 21, 1955

Abstract : Announcement is made on the discovery of a new kind of bryozoya fossils in the upper carbon layer of the Don River bend. The probable origin of these fossils is explained. Four references: 3 USSR and 1 English (1887-1959). Illustrations.

Institution : Academy of Sciences USSR, Paleontological Institute

Presented by: Academician V. A. Obruchev, October 21, 1954

MOROZOVA, I. P.

USSR/ Geology - Paleontology

Card 1/1 Pub. 22 - 46/60

Authors : Morozova, I. P.

Title : ~~New Upper Devonian bryozoa of the Kuznetsk coal basin~~

Periodical : Dok. AN SSSR 100/4. 783-786, Feb 1, 1955

Abstract : The discovery of new Upper Devonian traces of bryozoa of the Megacanthopora and Trepostomata type in the Kuznetsk coal basin is announced. The geological data concerning these finds are included. Four USA references (1890-1937). Illustrations.

Institution :

Presented by : Academician V. A. Obruchev, October 21, 1954

ASTROVA, G.G.; MOROZOVA, I.P.

On the taxonomy of Bryozoa of the order *Cryptostomata*. Dokl. AN
SSSR 110 no.4:661-664 O '56. (MIRA 10:1)

1. Paleontologicheskii institut Akademii nauk SSSR. Predstavleno akademikom V.A. Obruchevym. [deceased].
(Polyzoa, Fossil)

MOROZOVA, I.P.

New genus of polyzoans of the family Fistuliporidae from Devonian
deposits of the Kuznetsk Basin. Paleont. zhur. no.2:79-81 '59.
(MIRA 13:1)

1. Paleontologicheskii institut Akademii nauk SSSR.
(Kondoma Valley--Polyzoa, Fossil)

MOROZOVA, Iraida Pavlova; SARYCHEVA, T.G., doktor biol.nauk, prof., otv.red.;
TIKHOMIROVA, Ye.V., red.izd-va; PASHKOVSKIY, Yu.A., red.izd-va;
GUSEVA, A.P., tekhn.red.

[Devonian Bryozoa in the Minusinsk and Kuznetsk Basins] Devonskie
mshanki Minusinskikh i Kuznetskoi kotlovin. Moskva, Izd-vo Akad.
nauk SSSR, 1961. 206 p. (Akademiia nauk SSSR. Paleontologicheskii
institut. Trudy, vol.86) (MIRA 14:3)
(Minusinsk Basin--Polyzoa, Fossil) (Kuznetsk Basin--Polyzoa, Fossil)

MOROZOVA, I.P.

Taxonomy and phylogeny of Fenestelloidea. Paleont.zhur. no.4:
104-115 '62. (MIRA 16:1)

1. Paleontologicheskii institut AN SSSR.
(Polyzoa, Fossil)

ZAYAKIN, S.N.; MOROZOVA, I.S.

Shortcomings of the State Standard No.3927-47 "Wooden shoe
lasts." Kozh.-obuv.prom. 3 no.8:4 Ag '61. (MIRA 14:10)
(Boots and shoes--Standards)

MEMO 2024.1 V

AUTHORS: Druzhinina, A.V., Tarmanyan, G.S. and Morozova, I.V. 65-10-8/13
TITLE: On the Mechanism of the Washing Action of Alkylphenolic Additives (O mekhanizme moyushchego ~~dy~~stviya alkilfenol'-nykh prisadok)

PERIODICAL: Khimiya i Tekhnologiya Topliva i Masel, 1977, No.10, pp. 41-46 (USSR)

ABSTRACT: After a brief review of views expressed in the literature on the action of detergent additives on the operating properties of oils, the results of an investigation of the influence of an additive TsIATIM-339 on changes in the chemical composition and operating properties of oils are given. The tests of oils were carried out on Diesel single-cylinder engines OK6 and VT-9-3 as well as on a full-scale engine MAB-204. Oil MC-20 from Groznensky crude and experimental samples of Diesel oil from Tuymazinskaya Devonian crude with and without the above additive were tested. By adsorption separation on silicagel the characteristics hydrocarbon group compositions of oils before and after tests were determined. The experimental results are given in Tables 1-4. Conclusions: alkylphenolic additives of the type TsIATIM-339 belong to a group of chemically-active substances, reacting with products formed in oil during its operation in an engine. The washing action

Card 1/2

65-10-8/13

On the Mechanism of the Washing Action of Alkylphenolic Additives

of alkylphenolic additives is due to: a) neutralisation of acid products by exchange reaction with the formation of oil soluble organic barium salts; b) an increase in selective solubility of asphaltene-resinous substances in oil in the presence of separated-in-the-exchange reaction alkylphenols. The correct concentration of alkylphenolic additives in oils should be selected for each individual case in relation to the operating conditions of engines for which the oil is intended. There are 4 tables and 9 references, 6 of which are Russian and 3 English.

ASSOCIATION: VNII NP

AVAILABLE: Library of Congress

Card 2/2

21512

S/081/62/000/006/088/117
B167/B101

11-9700

AUTHORS: Druzhinina, A. V., Tarmanyar, G. S., Myachina, M. S.,
Morozova, I. V.

TITLE: Alkyl phenol additives from formaldehyde condensation

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 6, 1962, 541-542,
abstract 6M262 (Sb. "Prisadki k maslam i toplivam". M.,
Gostoptekhnizdat, 1961, 20-26)

TEXT: A description is given of the synthesis of the additives Vnii NP-370,
Vnii NP-371, and Vnii NP-372, which are the oil concentrates (50% in
spindle oil No. 2) of the Ca, Ba, and Li salt, respectively, of the
condensation product of alkyl phenol with CH_2O . The phenol is alkylated
with polymer distillate in the presence of phenol sulfonic acid as a
catalyst, which is previously prepared by treating phenol with H_2SO_4
(8% of the combined amount of phenol and polymer distillate). The
additive Vnii NP-371 (viscosity 17-80 centistokes/ 100°C) contains 7-9%
of Ba. Prolonged treatment with $\text{Ba}(\text{OH})_2 \cdot 8\text{H}_2\text{O}$ at 145°C doubles the Ba
Card 1/2

X

Alkyl phenol additives from ...

S/081/62/000/006/088/117
B167/B101

content without significantly altering the viscosity. The additive Vnii NP-370 contains 2-2.5% of Ca, which increases to 3-3.5% if the additive is prepared by treating alkyl phenol simultaneously with CH₂O (as a 37% aqueous solution) and CaO in the presence of a promoter. The effect of the alkyl phenol:CH₂O ratio and of some other conditions on the quality of the additive Vnii NP-370 is also investigated. [Abstracter's note: Complete translation.]

X

Card 2/2

17(4),30(1)

AUTHORS:

Andreyeva, R. A., Morozova, I. V.

SOV/20-125-2-51/64

TITLE:

Growth and Metabolism of Tomato Seedlings Under the Influence of Heteroauxin Treatment of Their Root System (Vliyaniye obrabotki kornevoy sistemy geteroauksinom na rost i obmen veshchestv rassady tomatov)

PERIODICAL:

Doklady Akademii nauk SSSR, 1959, Vol 125, Nr 2, pp 417-419 (USSR)

ABSTRACT:

A higher yield due to the treatment of blossoms and ovaries with growth-stimulating substances is obtained by an increased supply of water, mineral and organic substances to the treated organs (Refs 7-9,12). Other plant organs, however, are deprived of nutritive substances. Therefore some physiologists (Ref 7) maintain that the development of the whole plant cannot be intensified by growth stimulants. Recently, however, quite different data have been found (Refs 2-6,9-11). In order to solve the aforesaid problem the authors made corresponding experiments with the tomato sort "Bizon" in 1957 in the botanical garden of the below-mentioned university (see Association). Heteroauxin potassium salt (20 mg/l) was used as stimulant. Each plant received 20 ml of the solution.

Card 1/3

Growth and Metabolism of Tomato Seedlings Under the Influence of Heteroauxin Treatment of Their Root System SOV/20-125-2 51/64

The experimental scheme was the following: 1) Complete Hellriegel- (Gel'riegel'-) mixture plus heteroauxin; 2) half measure of the Hellriegel-mixture plus heteroauxin; 3) complete Hellriegel-mixture without heteroauxin, and 4) half measure of Hellriegel-mixture without heteroauxin. It was found that the treatment of the tomato plants during the formation of the first two leaflets notably stimulates the growth of the overground parts and the roots (Table 1). This shows that the effect of heteroauxin is intensified with an increase of the fertilizing measure (in accordance with reference 2 for the sugar beet). Table 2 shows the development of the whole and the ready adsorbing surface of the root system in all experimental variants. Heteroauxin treatment enlarges the volume of roots and increases both surface values mentioned above. Consequently, the assimilation of nutritive substances rises, as confirmed by table 3 (assimilation of nitrogen and phosphorus). Finally, the heteroauxin treatment of the roots leads to increased photosynthesis and leaf respiration. There are 4 tables and 12 Soviet references.

Card 2/3

Growth and Metabolism of Tomato Seedlings Under the Influence of Heteroauxin Treatment of Their Root System 30V/20-125-2-51/64

ASSOCIATION: Voronezhskiy gosudarstvennyy universitet (Voronezh State University)

PRESENTED: December 7, 1958, by A. L. Kursanov, Academician

SUBMITTED: December 7, 1958

Card 3/3

Translation from: Referativnyy zhurnal, Geografiya, 1955, Nr 7, p. 146 (USSR) 12-57-7-15194

AUTHORS: Shiranovich, I. N., Morozova, I. V.

TITLE: Seasonal Change in the Number of Fleas Found in Gopher Burrows Under Different Conditions of Locale and Ecology (Sezonnyye izmeneniya chislennosti blokh v norakh suslikov v razlichnykh landshaftno-ekologicheskikh usloviyakh)

PERIODICAL: Sb. tr. Astrakhansk. protivocumn. st., 1955, Nr 1, pp 379-386

ABSTRACT: In the Black Earth zone of Astrakhan Oblast the seasonal curve of the number of fleas found both in burrows and on animals reaches its first peak in early spring due to increases of Neopsylla setosa. Its secondary peak occurs in June, following the increase of Ceratophyllus tesquorum. Few fleas are

Card 1/2

Seasonal Change in the Number of Fleas (Cont.)

14-57-2-1519.

found in burrows at the end of summer. In winter (January) fleas are found only in burrows abandoned during previous summer. Concentrations of fleas have been observed in surface soil composed of earth scrapings from newly dug Siberian red ferret burrows. The number of fleas shows less seasonal change in the Sal'sk and Stalin-grad steppes. Fleas can be caught in burrows throughout the year except when the ground is covered with snow. Their numbers are greatest at the beginning of April.

Card 2/2

A. Kulakova

MOROZOVA, I. V., SMUTER, M. F., BIRIKOVA, V. A., BOZHAN, E. A.,
TUKOLEV, A. S., ZHUKAVLEVA, V. I., KALITVENOVA, S. A., KALITVENOV, I. I.,
PEYSAKHIS, L. A., ROSSINSKAYA, O. A., SMIRNOV, I. A.

"Certain laws governing the plague a isootic in the south
Balkhash area (Ili-Keratal interfluve)." p. 227

Desyatoye Soveshchaniye po parazitologicheskim problemam i
zoonoznym boleznyam. 22-29 Oktabrya 1989 g. (Tenth Conference
on Parasitological Problems and Diseases with Natural Food 22-29
October 1989), Moscow-Leningrad, 1989, Academy of Medical Sciences
USSR and Academy of Sciences USSR, No. 1 284 p.

Central Asiatic Antiplague Inst./Alma Ata

SHIRANOVICH, P.I.; MOROZOVA, I.V.; SAMARINA, G.P.; PAVLOV, A.N.

Fleas (Aphaniptera) of gerbils of the northwestern Caspian Sea
region. Sbor. nauch. rab. Zlist. protivochum. sta. no. 1:129-143
'59. (MIRA 13:10)

(CASPIAN SEA REGION--FLEAS) (PARASITES--GERBILS)

SVIRIDOV, G.G.; MOROZOVA, I.V.; KALUZHENOVA, Z.P.; IL'INSKAYA, V.L.

Use of radioactive isotopes in studying some problems of flea ecology. Report No. 1: Alimentary relations of fleas of the genus *Xenopsylla* with the greater gerbil (*Rhombomys opimus* Pall.) under natural conditions. Zool. zhur. 42 no.4:546-550 '63. (MIRA 16:7)

1. Central Asiatic Research Anti-Plague Institute, Alma-Ata.
(Phosphorus isotopes)
(Sary-Ishik-Otrau—Parasites—Gerbils)
(Sary-Ishik-Otrau—Fleas)

DRUZHININA, A.V.; TARMANYAN, G.S.; MOROZOVA, I.V.; RUTTER, A.A.

Plant production of VNIINP-370 and VNIINP-371 additives.
Nefteper. i neftekhim. no.5:7-12 '64. (MIRA 17:8)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut po pererabotke
nefti i gazov i polucheniyu iskusstvennogo zhidkogo topliva.

L 31330-65

ACCESSION NR: AP4046058

S/0245/64/000/005/0122/0126

AUTHOR: Artem'yeva, Ye. Yu.; Meshalkin, L. D.; Morozova, I. V.;
Sorkina, E. G.; Khomskaya, Ye. D.

TITLE: Experimental use of nonparametric static methods in
analyzing curves for recorded eye movements

SOURCE: Voprosy* psikhologii, no. 5, 1964, 122-126

TOPIC TAGS: human, eye, eye movement recording, nonstatistical
analysis, brain injury diagnosis

ABSTRACT: A nonstatistical method of analyzing eye movement curve
data has been developed to improve brain injury diagnosis. Photo-
electric recordings of eye movements for 14 patients with injuries of
the frontal lobe (premotor area), 17 patients with localized injuries
of the parietal and occipital lobes, and 10 healthy persons were
extensively analyzed. On the basis of the analysis data, three
indices were selected for brain injury diagnosis: 1) degree of
"independent" eye movement normalcy, 2) difference between the
maximum frequencies of "independent" and "tracking" eye movements,

Card 1/5

L 31330-65

ACCESSION NR: AP4046058

and 3) nature of slow "tracking" eye movements. "Independent" eye movements were determined by the subject's eye movement frequency in shifting his eyes between two points (30° apart) upon verbal instruction. "Tracking" eye movements were determined by the subject's eye movement frequency in tracking a spot of light moving in a horizontal plane from left to right and back again. A rating scale ranging from 1 to 5 was worked out to facilitate evaluation of each index. Typical eye movement patterns served as standards for the rating scale (see enclosures 01 and 02). A patient's eye movement curves can be evaluated in less than 20 min by this method. Tabulation of index ratings for all investigated subjects showed that 12 of the 14 patients with injuries of the premotor area had the same rating of "3" for degree of "independent" eye movement normalcy. Other brain injuries also appear to be characterized by specific index ratings. The validity of these findings was confirmed by evaluating eye movement curves for 14 new subjects. The improvement of local brain injury diagnosis by a nonstatistical analysis of eye movements appears feasible. Orig. art. has: 5 figures.

Card 2/5

L 31330-65
ACCESSION NR: AF4046058

ASSOCIATION: Otdeleniye psikhologii Moskovskogo universiteta
(Psychology Department, Moscow University)

SUBMITTED: 00

ENCL: 02

SUB CODE: LS, PH

NR REF SOV: 005

OTHER: 001

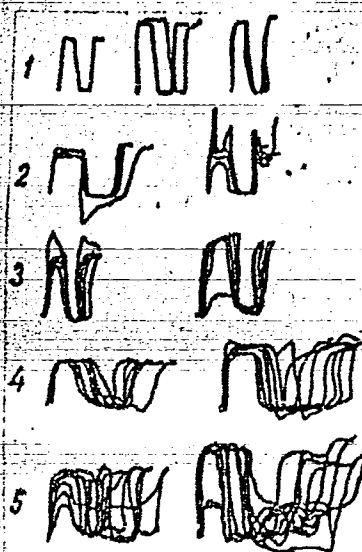
Card 3/5

L 31330-65

ACCESSION NR: AP4046058

ENCLOSURE: 01

Fig. 1. Typical mean patterns
for "independent" eye movements
(numbers indicate scale ratings).

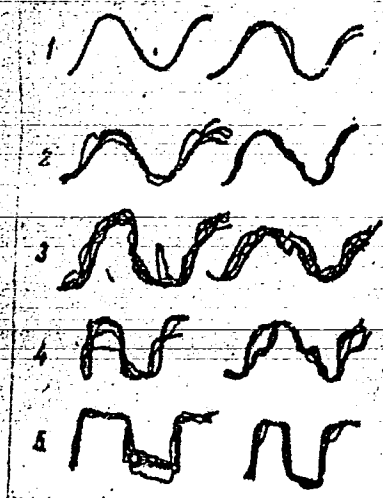


Card 4/5

L 31330-65
ACCESSION NR: APh046058

ENCLOSURE: 02

Fig. 4. Standard scale for
rating "tracking" eye movements
by number.



Card 5/5

MASLENNIKOVA, Z.P.; MOROZOVA, I.V.; BIBIKOVA, V.A.

Ticks of the subfamily Ixodoidea of mammals in the Saryishikotrau
desert. Trudy Inst. zool. AN Kazakh. SSR 22:166-173 '64.
(MIRA 17:12)

BIBIKOVA, V.A.; GORBUNOVA, A.I. [deceased]; MACLENNIKOVA, Z.P.; MOROZOVA,
I.Y.; SHMUTER, M.P.

Methods of studying the abundance of fleas of the greater
gerbil. Zool.zhur. 44 no.8:1214-1218 '65.

(MIRA 18:11)

1. Sredneaziat'skiy nauchno-issledovatel'skiy protivochnyy
institut, Alma-Ata.

L 00287-67 Z EWT(1) - 50K
ACC NR: AP7001162 (14) SOURCE CODE: UR/0439/66/045/008/1260/1264

AUTHOR: Morozova, I. V.

ORG: Central Asian Antiplague Scientific Research Institute, Alma-Ata
(Sredneaziatskiy nauchno-issledovatel'skiy protivochumnyy institut)

TITLE: New species of Gamasid ticks — Haemogamasus Rhombomys sp. n.

SOURCE: Zoologicheskiy zhurnal, v. 45, no. 8, 1966, 1260-1264

TOPIC TAGS: tick, new tick species, tick structure, tick reproduction, disease vector

ABSTRACT: A new Gamasid tick species which has been found on Rhombomys opimus L. and its nests in the Sary-Ishikotrau desert (Alma-Ata oblasti, Kazakhstan) and, designated as Haemogamasus Rhombomys Morozova sp. n., is described by the author. The new species differs from the Haemogamasus citelli Breg. et Nelz. by having a lesser inclination of the body setae and differences in the size and shape of the dorsal scutum. In addition there are structural differences of the chelicers in males. The description is supplemented by seven ink drawings. Orig. art. has: 5 figures. [Based on author's abstract] [WA-50]

SUB CODE: 06/SUBM DATE: none/ORIG REF: 003/
Card 1/1 LS UDC: 595.422 sp. n:592/599

20.77-30

ACC NR: AP7001165 (AN) SOURCE CODE: UR/0439/65/044/008/1214/1218

AUTHOR: Bibikova, V. A. ; Gorbunova, A. I. ; Maslennikova, Z. P. ; Morozova, I. V. ; Shmuter, M. F. --Schmuter, M. F.

ORG: Central Asian Antiplague Research Institute, Alma-Ata (Sredneaziatskiy nauchno-issledovatel'skiy protivochumnyy institut)

TITLE: Method of studying population density of fleas in *Rhombomys opimus* Licht

SOURCE: Zooloticheskiy zhurnal, v. 44, no. 8, 1965, 1214-1218

TOPIC TAGS: flea, flea reproduction, flea migration, plague transmission, disease vector, mole

ABSTRACT: A technique for total count of fleas found in the burrows of *Rhombomys opimus* Licht. is described. The technique consists of trapping and counting the migrating parasites after the animals are removed from the burrows. Due to a relatively stable migration and the reproduction rate of fleas, three samples suffice for the total count. In practical terms, it means that all fleas present in the burrows can be trapped during the 7—45 day period after the removal of the animals. The total flea population in the burrows can be estimated on the basis of the relatively

Card 1/2

UDC: 595.775:599.323.4 *Rhombomys*:591.526-59.08

ACC NO: AP7001165

stable percentages obtained in sampling procedures. In view of the significant role of fleas in transmission of plague, the importance of monitoring the flea populations is stressed by the authors. Orig. art. has: 1 table. [Based on authors' abstract]
[WA-50]

SUB CODE: 06/SUBM DATE: none/ORIG REF: 006/

Card 2/2

MOROZOVA, I.V.; BIBIKOVA, V.A.; KALUZHENKOVA, Z. .

Fauna of gamasid mites (Parasitiformes, Gamasida) in the
bands of Sary-Ishikotrau. Zool. zhur. 42 no. 12:1971, 1971
'63

1. Central Asiatic Research Anti-Ligue institution, Moscow.

MOROZOVA, I.V.; BIBIKOVA, V.A.; USHAKOVA, G.V.

Bat ticks of Kazakhstan. Trudy Inst. zool. A' Kazakh. SSR.
161-165 1964.

VINOGRADOV Ivan M. Perevlin, MOROZOVA, I.Ye., red.

[Fundamentals of the theory of numbers] Osnovy teorii
chisel. Izd. 7., ispr. Moskva, Nauka, 1965. 172 p.
(MIRA 18:7)

PODIN, Sergey Vasil'yevich; Podin, Sergey Vasil'yevich.

[Number system] system. Moscow, 1960. 40 p. (Popular science series).

BAKHVALOV, Sergey Vladimirovich; Mikhlin, Petr Sergeyevich;
PANKHOSHENKO, Aleksey Serafimovich; MAKOVY, I.Ye., red.

[Problems in analytical geometry. Sbornik zadach po analiti-
cheskoi geometrii. Izd. 3., perer. Moskva, Nauka, 1964. 220 p.
(Mikr. 17:10,

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KLETNIK, David VIKTOROVICH; [illegible], [illegible], [illegible], [illegible];
I.Ye., rec.

[Problems in the [illegible] of [illegible] [illegible] [illegible]
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[illegible] [illegible]

KOZHEVNIKOV, Naum Iosifovich; KRASNOSECHKOVA, Taisiya Ivanovna;
SHISHKIN, Nikolay Yefimovich; IGAT'YEVA, A.V., red.;
MOROZOVA, I.Ye., red.

[Fourier series and the Fourier integral. Field theory;
Analytic and special functions. Laplace transformation]
Riady i integral Fur'ye. Teoriia polia. Analiticheski
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- KOROZOVA, E. inzh.

Useful whirlpool. Tekh.mol. 28 no.9:39 '60. (MLBA 13:10)
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MOROZOVA, K.I.

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consolidated hospital of Lyuberty in Moscow Province. Vop. okh.
mat. i det. 6 no.3:79-82 Mr '61. (MIA 14:10)
(DYSENTERY)

Subject : USSR/Electricity AID P - 1377
Card 1/1 Pub. 26 - 4/30
Author : Deyev, I. T., Eng. and Morozova, K. M., Eng.
Title : A method of studying corrosion indicators
Periodical : Elek. Sta., 2, 12-14, F 1955
Abstract : In the years 1951-1953 the electric power stations of the Molotovenergo system made a series of tests by placing corrosion indicators in water economisers. The authors describe the method applied in utilizing test indicators of corrosion. 3 photographs.
Institution: None
Submitted : No date

137-58-6-12886

Translation from Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 243 (USSR)

AUTHORS Deyev, I.T., Morozova, K.M.

TITLE: Instances of Alkaline Corrosion in High-pressure Boilers (Sluchai shchelochnoy korrozii na kotlakh povyshennogo davleniya)

PERIODICAL Sb. materialov po obmenu opytom ekspluatatsii energ ustano-
vok. Molotov, Knigoizdat, 1957, pp 87-91

ABSTRACT A presentation of the results of investigations of corrosion damage to the pipes in three boilers working under a gage pressure of 60 atm. Prior to the damage the pipes had been working 24 years in 2 cases and 17 years in the third case. It is established that the corrosion damage to the pipes resulted from alkaline corrosion (C), accompanied by intercrystallite disintegration of the metal. In all the instances of corrosion, scale was in evidence on the pipes, which, together with inadequate washing of the tube surfaces by the boiler water and the presence of Fe oxides in the scale, was the cause of the alkaline corrosion of pipes. The following technique was recommended to combat corrosion. Lowering of the alkalinity of the boiler water by means of increasing the percentage of

Card 1/2

137-58-6-12886

- Instances of Alkaline Corrosion in High-pressure Boiler

condensate return from the machinery utilizing the steam; use of desalting equipment; lowering the hardness of the feed water; eliminating the drawing in of cooling water into the turbine condensers; changing from individual phosphatization to central; using hexametaphosphate instead of trisodium phosphate, and an improvement in the pretreatment of the water

L. A.

1. Boilers--Corrosion 2. Boiler--Corrosion--Prevention 3. Water--Pollution

Card 2/2

GEMPLING, Erik Karlovich. Prinimali uchastiye: YASHCHENKO, M.L., starshiy nauchnyy sotrudnik; YERMOLIN, G.M., starshiy nauchnyy sotrudnik; TITOV, N.Ye., mladshiy nauchnyy sotrudnik; AFANAS'YEVA, L.I., mladshiy nauchnyy sotrudnik; KOL'TSOVA, T.V., mladshiy nauchnyy sotrudnik; OVCHINNIKOVA, G.V., mladshiy nauchnyy sotrudnik; S'UKOLYUKOV, Yu.A., mladshiy nauchnyy sotrudnik; LEVSKIY, L.K., mladshiy nauchnyy sotrudnik; KOROZOVA, K.M., mladshiy nauchnyy sotrudnik; MATVSEVA, I.I., mladshiy nauchnyy sotrudnik; BARKAN, V.G., mladshiy nauchnyy sotrudnik; BARANOVSKAYA, N.V., mladshiy nauchnyy sotrudnik; VARSHAVSKAYA, E.S., mladshiy nauchnyy sotrudnik; SERGEYEV, A.N., starshiy laborant; KURBATOV, V.V., starshiy nauchnyy sotrudnik; KRATTS, K.O., kand.geol.-mineral.nauk, otv.red.; ARON, G.M., red.izd-va; BOCHEVER, V.T., tekhn.red.

[Present status of the argon method for age determination and its use in geology] Sovremennoe sostoianie argonovogo metoda opredelenia vozrasta i ego primeneniye v geologii. Moskva, Izd-vo Akad.nauk SSSR, 1961. 130 p. (MIRA 14:12)

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PETROV, A.P., doktor tekhn. nauk, prof.; TULUPOV, L.P., kand. tekhn. nauk; KRYUKOV, N.D., kand. tekhn.nauk; GUNDOBIN, V.N., inzh.; VASIL'YEV, G.S., kand. tekhn. nauk; GRISHIN, M.S., kand. tekhn. nauk; MOBOZOVA, K.N., inzh.; POZE, V.A., inzh.; LEVSHIN, G.L., inzh.; BERNGARD, K.A., doktor tekhn. nauk, prof.; BIKCHENTAY, M.A., inzh.; BUYANOV, V.A., inzh.; ILOVAYSKIY, N.D., inzh.; MUKHAMEDOV, G.A., kand. tekhn.nauk; MIRCHNICHENKO, A.P., inzh.; ANDRANOV, V.P., inzh.; BUTS, V.D., inzh.; KAZIMOV, A.A., inzh.; KIREYEV, O.P., inzh.; DYUFUR, S.L., kand. tekhn. nauk; USTINSKIY, A.A., kand. tekhn. nauk; MIKHAYLOV, S.M., inzh.; NESTEROV, Ye.P., kand. tekhn. nauk, retsenzent; LIVSHITS, V.N., inzh., retsenzent; PREDE, V.Yu., inzh., red.; VOROTNIKOVA, L.F., tekhn. red.

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SKOPETS, Z.A. (Yaroslavl'); GOTMAN, E.G. (Pechora); MOROZOVA, L.A.;
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N.I.F.rogova (glavnyy vrach N.S.Barkov), Kuybyshev.
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I. I. V. Lomonosov Moscow State University.

KOST, A.N.; MOROZOVA, L.F.; GRANDBERG, I.I.

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1. Moskovskiy gosudarstvennyy universitet imeni Lomonosova.

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fakul'teta Kiyevskogo meditsinskogo instituta.
(PROTEINS) (RHEUMATISM)

MOROZOVA, L.I.

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i kafedra biokhimi (zav. - prof. Ye.F.Shamray) Kiyevskogo meditsin-
skogo instituta.

(RHEUMATIC FEVER)
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DRZHEVETSKAYA, I.A.; MOROZOVA, L.I.

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11 no.2:29-32 Mr-Ap '65. (MIRA 18:10)

1. Kafedra patologicheskoy fiziologii Donetskogo meditsinskogo
instituta i Donetskaya oblastnaya stantsiya perelivaniya krovi.

MOROZOVA, L.I.

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LAVROVA, A.P., kand. tekhn. nauk; GNOYEVOY, P.S., inzh.; KALENOVA, M.S., starshiy nauchnyy sotrudnik; GUSEVA, A.N., mladshiy nauchnyy sotrudnik; MOROZOVA, L.I., mladshiy nauchnyy sotrudnik; KHARITONOV, V.A., inzh.; KANAREVSKIY, A.A., inzh.; MAZYAKIN, A.V., inzh.; LISHFAY, V.M., inzh.; IL'YASHENKO, M.A., kand. veter. nauk; RYNDINA, V.P., inzh.; LOGINOVA, M.M., mladshiy nauchnyy sotrudnik; CHUDINA, S.A., mladshiy nauchnyy sotrudnik; TRUDOLIUBOVA, G.B., starshiy nauchnyy sotrudnik; KARGAL'TSEV, I.I., assistant; MIKHAYLOVA, A.Ye., mladshiy nauchnyy sotrudnik; KARPOVA, V.I., mladshiy nauchnyy sotrudnik; MERKULOVA, V.K., mladshiy nauchnyy sotrudnik; POLETAYEV, T.N., mladshiy nauchnyy sotrudnik

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1. Kafedra tekhnologii Moskovskogo tekhnologicheskogo instituta myasnoy i molochnoy promyshlennosti (for Kargal'tsev).

KRASNOV, M.L., professir; MOROZOVA, L.K.

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ROMASHKEVICH, I.K.; Prinimali uchastiye: MOROZOVA, L.M.; DASHEVSKAYA,
S.I.; VAKHMINA, L.S.; KARAVAYEVA, G.V.; IVANCYSKIY, A.K.; ZHUKHINA,
G.Ye.; SOLOV'YEVA, G.M.; ANDRIYANOVA, M.V.; AKHMETOVA, V.M.;
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